

GREEN LINE

Oil Mist Separator

NOVA



An oil mist separator with high rate of purification, excellent flexibility and outstanding operation economy.

OIL SMOKE AND OIL MIST SEPARATOR WITH HIGH PERFORMANCE

NOVA

Nova is the first product within the innovative Green Line series. It is developed to suit all applications involving processes using coolants, oil or lubricants. Nova is the smallest machine from 3nine and is suitable for small machine tools with cabin volumes up to 3m³.

Advantages of NOVA

- Suitable for application with high degree of solid particles
- Minimal maintenance
- Minimal filter and filter disposal costs
- Outstanding operation economy
- One machine for all applications
- Capable of handling large quantities of oil mist



www.3nine.com

TECHNICAL DATA

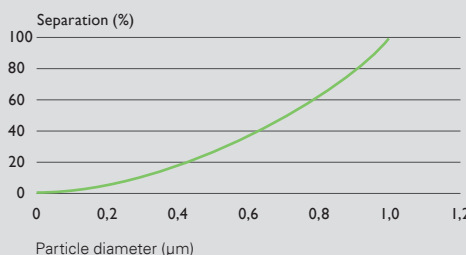
Type designation..... Nova
 Application Cleaning oil smoke and oil mist
 Mounting..... Directly on the machine, wall or pillar stand

EU-Standard

Suitable for small cabin size..... (<3m³)
 Operating condition 5-50° C
 Electric power supply ... 16 A/400 V/3/50 Hz
 Motor rating 0,37 kW
 Rated current 1A
 Weight 36 kg
 Height 549,5 mm
 Length 690,7 mm
 Depth 480,7
 Inlet pipe dimension Ø 100 mm
 Sound level < 70 dB (A)



The graph shows the separation efficiency, meaning the amount of particles of a certain size to be separated out in the rotor.



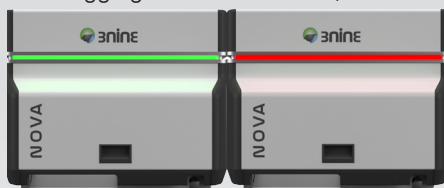
NOVA

INTELLIGENT AND REVOLUTIONARY TECHNOLOGY

The unique patented technology, based on disc stack separation, separates the oil mist and other coolants up to 100% of particle sizes down to 1µm by using centrifugal force. The special technology of the **Green Line** series reduces maintenance work to a minimum. The rotor found in the interior of all 3nine oil mist separation systems clean the air from oil mist considerably more effectively than conventionally rotating filters or cyclone separators.



With Nova you will have the possibility to have full control over the oil mist separators performance and the mechanical status. It can be equipped with our advanced 3nine monitoring system, which monitors the clogging of the HEPA filter,



the condition of the drive belt and also the motor.

The status of the machine is then communicated through a LED RGB-strip on the front and back of the machine. To simplify the monitoring even more, the control box

can also be connected with Profibus, in order to have a centralized monitoring on a computer.

All Green Line oil mist separators can be equipped with the 3nine patented, automatic cleaning unit (CIP). Together with the control box, you will always have an automatic cleaning cycle every time the oil mist separator shuts down.

Low operating costs

Due to the high efficiency of the 3nine disc stack separation, the greatest part of the oil and emulsion mist is continuously and directly separated. The separated fluid can be fed back into the tank of the machine tool. Hence the costs for coolant and oils are reduced due to the minimal loss of the coolant. Filter changes and production disruptions are reduced to a minimum.

All 3nine systems are designed for continuous operation in order to ensure the greatest possible productivity.

High degree of purification

With the **Green Line** oil mist separator from 3nine, the degree of purification is so high that almost the entire oil mist is separated and directed back into the machine tool. 3nine also uses an end filter (HEPA) that collects even the very smallest particles, so that the air leaving the oil mist separator is up to 99.997 %* free of particles. In order to be able to more easily maintain the machine, the filter can be simply and ergonomically correctly replaced.

* with HEPA filter (H13)